1 fw

APR 0 6 2005 APR

PTO/SB/21 (09-04) (AW 10/2004)
Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
tion Act of 1995, no paragraph as expected to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 16

Application Number	10/644,137	
Filing Date	August 20, 2003	
First Named Inventor	Kevin K. Lehmann	
Art Unit	2878	
Examiner Name	Don J. Williams	
Attorney Docket No.	PRU-103US	

ENCLOSURES (Check all that apply)						
Fee Transm	nittal Form Attached		Drawing(s) Licensing-relate	d Papers		After Allowance Communication to TC
Extension of Express Aba	• •		Petition Petition to Converge Provisional Appl Power of Attorne Change of Corre Address Terminal Disclair Request for Reference CD, Number of CD	ey, Revocation, spondence	Retur	Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please identify below): n Postcard
Incomplete A	o Missing Parts/ Application onse to Missing Parts r 37 CFR 1.52 or 1.53	Rema			<u>.</u>	
	SIGNATUR	E OF A	PPLICANT, AT	TORNEY OR A	GENT	
Signature	latnerPrestia	K				
	pril 4, 2005			Registration No.	41,7	738
CERTIFICATE OF TRANSMISSION / MAILING						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:						
Signature	Kathlen V	Ca	rney			
Typed or Printed Na	ame Kathleen P. Carney				Date	April 4, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No:

10/644,137

Applicants:

Kevin K. Lehmann et al.

Filed:

August 20, 2003

Title:

TAPERED FIBER OPTIC STRAIN GAUGE USING CAVITY RING-DOWN

SPECTROSCOPY

TC/A.U.:

2878

Examiner:

Don J. Williams

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of the references listed on the 1449 form, other than U.S. patents, are enclosed.

US 6,097,555 and EP 1 195 582 cited on the International Search Report were previously reported to the USPTO in an IDS filed on August 20, 2003.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

PRU-103US PATENT

This Information Disclosure Statement is being filed before mailing of the first Official Action. No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or statement is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

RatnerPrestia

Jacques L. Etkowicz, Reg. No. 41,738

Attorney for Applicants

JLE/kpc

Enclosures: PTO Form 1449

(3) References Search Report Transmittal Form

Dated: April 4, 2005

P.O. Box 980 Valley Forge, PA 19482 (610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

April 4, 2005

Cathleen P. Carney

6	PE	Ĉ.
APR	O 6 2005	OFFICE 2
ATES	& TRADES!	stitute fo

or Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

	Complete if Known	
Application Number	10/644,137	
Filing Date	08/20/2003	
First Named Inventor	Kevin K. Lehmann	
Art Unit	2878	
Examiner Name	Don J. Williams	
Attorney Docket No.	PRU-103US	

	U.S. PATENT DOCUMENTS					
Examiner	Cite	Document Number	Issue/ Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevan	
Initials*	No.1	Number - Kind Code ^{2 (if known)}	(MM-DD-YYYY)	Applicant of Cited Document	Figures Appear	
		US-2003/109055 A1	06/12/2003	Lehmann et al.		
		US-5,637,865 A	06/10/1997	Bullat et al.		
		US-4,725,728 A	02/16/1988	Brininstool et al.		
		US-5,649,035 A	07/15/1997	Zimmerman et al .		
		US-5,636,021 A	06/03/1997	Udd et al.		
		US-2003/007715 A1	01/09/2003	Loock et al.		
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

		FOREIGN PA	TENT DOCUMEN	TS		
_		Foreign Patent Document	B. blisseties Dete	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Cite Initials* No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date (MM-DD-YYYY)	Applicant of Cited Document	Passages or Relevant Figures Appear	16	
		JP 61258131 (English Abstract)	11/15/1986	Uesugi Minoru		
						Γ \Box

Examiner	Date	
Signature	Considered	1

rapplicant is to place a cneck mark here-if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

dered. Include copy of this form with next communication to Applicant.

Applicant's unique citation designation number (optional).

See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

Benter Office that issued the document, by the two-letter code (WIPO Standard St.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

APR 0 6 2005 12

RADE Stitute for Form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 2 of 2

	Complete if Known	
Application Number	10/644,137	
Filing Date	08/20/2003	
First Named Inventor	Kevin K. Lehmann	
Art Unit	2878	
Examiner Name	Don J. Williams	
Attorney Docket No.	PRU-103US	

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
		OGAWA ET AL.; Stabilisation of Stokes oscillation in Brillouin ring amplification system for strain measurement; Electronics Letters, February 4, 1999, Vol. 35, No. 3, pp. 231-233	
		ZIMMERMANN ET AL.; Fiber-Optic Sensors Using High-Resolution Optical Time Domain Instrumentation Systems; Journal of Lightwave Technology, September 1, 1990, Vol. 8, No. 9, pp. 1273-1277	
		International Search Report for PCT Application No. PCT/US2004/025755 mailed 02/03/2005	
_			
	-		
Examiner	1	Date	
Cionaturo	I	Considered	

²Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).